



MICHIGAN
DEPARTMENT
OF PUBLIC
HEALTH

M. S. Reizen, M.D.
Director

US EPA RECORDS CENTER REGION 5



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TO: Files

THROUGH: Joe Lovato

FROM: Daniel Cummins, Student Assistant
Ground Water Quality Control Section

SUBJECT: Kent County Landfill, Plainfield Township, T8N-R11W,
Section 3

MEMORANDUM

On August 19, 1981, in a telephone conversation with Gerry Heyt, Region 3, Resource Recovery Division, MDNR, I was informed that dewatering wells were not being used. Mr. Heyt stated that two of the wells were intact,; he was not sure about the third. I expressed a desire to keep the wells available to allow for intermittent groundwater monitoring. He stated that one of the wells is being used as a monitoring well and that he was unaware of any plans to abandon the wells.

The lack of groundwater monitoring to the south was mentioned and Mr. Heyt referred to a hydrogeologic survey that had determined groundwater flow to be to the north. The survey is filed in Lansing with Ms. Delores Montgomery, Region 3, Resource Recovery.

On August 26, 1981, in a telephone conversation with Delores Montgomery, I was informed that the hydrogeologic survey was performed by Walt Meinert, with assistance from Grand Rapids Testing (soils analysis). The survey was completed in 1974. Monitoring wells were utilized for data collection. (It is unknown if dewatering was going on at the time of the survey.) Though there may be two (or more) aquifers (according to Pat Noud's LeGrand Assessment), Ms. Montgomery stated that all monitoring wells are completed in the uppermost aquifer. She is convinced that groundwater flow is in a northerly direction. She also informed me that the landfilling operation is expanding to the southeast and being dewatered.

Conclusion:

The major concern at Plainfield Township Landfill is the apparent lack of sampling to the south of the landfill. Groundwater flow data may have been collected while areas of the landfilling operation were being dewatered. Data collected during dewatering does not represent the aquifer's natural condition. However, as long as dewatering is taking place and the effluent is adequately tested, there is no need to sample water supplies.

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